



01 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name:
2K Epoxy Dust Sealer Clear - Base A
- Article number:
01098503
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
Coating material
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Palatine Paints & Chemicals Limited
- Further information obtainable from: sales@paintpalatines.co.uk
- 1.4 Emergency telephone number:
CHEMTREC (24 Hours)
+1 703-741-5970 / 1-800-424-9300

02 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



GHS05

- Signal word
Danger

- Hazard-determining components of labelling:
Phenol, 4,4' (methylethylidene)bis-, polymer with N-(2-aminoethyl)-1,2-ethanediamine, (chloromethyl) oxirane, alpha-hydro-omega-hydroxypoly(oxy(methyl- 1,2 ethynediyl))ether with 2,2-bis(hydroxymethyl) 1,3-propanedioloxiranylmethylether
- Hazard statements
H318 Causes serious eye damage.
- Precautionary statements
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.

GB


(Contd. on page 2)

PRODUCT : 2K Epoxy Dust Sealer Clear - Base A

(Contd. of page 1)

03 Composition/information on ingredients

- 3.2 Chemical characterization: Mixtures
- Description:
Mixture of substances listed below with nonhazardous additions.
- Dangerous components:

CAS Number		%
455946-46-0	Phenol, 4,4' (methylethylidene)bis-, polymer with N-(2-aminoethyl)-1,2 ethanediamine, (chloromethyl) oxirane, alpha-hydro-omega-hydroxypoly(oxy(methyl- 1,2 ethynediyl)) ether with 2,2-bis (hydroxymethyl) 1,3-propanedioloxiranylmethylether	20-50
	 Eye Dam. 1 - H318	

04 First aid measures

- 4.1 Description of first aid measures
- After inhalation:
Take affected persons into fresh air and keep quiet.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
Do not induce vomiting; call for medical help immediately.
- Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:
Water with full jet
- 5.2 Special hazards arising from the substance or mixture
No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:
Wear self-contained respiratory protective device.

06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Not required.
- 6.2 Environmental precautions:
No special measures required.
- 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections

GB

(Contd. on page 3)

PRODUCT : 2K Epoxy Dust Sealer Clear - Base A

(Contd. of page 2)

07 Handling and storage

- Handling:
 - 7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles:
No special requirements.
- Information about storage in one common storage facility:
Not required.
- Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- 7.3 Specific end use(s)
No further relevant information available.

08 Exposure controls/personal protection

- 8.1 Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
 - Additional information:
The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Personal protective equipment:
 - General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes.
 - Respiratory protection: Not required.
 - Protection of hands: Protective gloves Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Use chemical resistant protective gloves according to EN 374.
 - Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Butyl rubber, BR
recommended material thickness >0,7 mm
Nitrile rubber, NBR
recommended thickness of the material >0.4 mm
 - Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: level 6).
 - Eye protection: Tightly sealed goggles
 - Body protection: Safety shoes according to EN ISO 20345 clothes with long sleeves long trousers Protective work clothing

09 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Cloudy
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

(Contd. on page 4)

GB

PRODUCT : 2K Epoxy Dust Sealer Clear - Base A

(Contd. of page 3)

Boiling point/Boiling range:	> 100 °C
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	at 20 °C 12,000 hPa
Density:	1,0000 - 1,1000 g/cm3
Solubility in / Miscibility with water:	Not determined.
Viscosity:	
Dynamic:	at 20 °C 150 - 300 mPa.s
Kinematic:	Not determined.
Solvent content:	
Water:	61,19 %
Solids content:	38,80 %
9.2 Other information	No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
No dangerous reactions known.
- 10.4 Conditions to avoid
No further relevant information available.
- 10.5 Incompatible materials:
No further relevant information available.
- 10.6 Hazardous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
 - on the skin:
No irritant effect.
 - on the eye:
Strong irritant with the danger of severe eye injury.
- Sensitization:
No sensitising effects known.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

GB

(Contd. on page 5)

PRODUCT : 2K Epoxy Dust Sealer Clear - Base A

(Contd. of page 4)

12 Ecological information

- 12.1 Toxicity
- Aquatic toxicity:
25322-69-4 polypropylen glycole
Dermal, LC50/96h: >100 mg/l (fish)
Dermal, EC50/48h: >100 mg/l (daphnie)
- 12.2 Persistence and degradability
No further relevant information available.
- Behaviour in environmental systems:
- 12.3 Bioaccumulative potential
No further relevant information available.
- 12.4 Mobility in soil
No further relevant information available.
- Additional ecological information:
- General notes:
Do not allow product to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.
- 12.6 Other adverse effects
No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- 14.1 UN-Number
ADR Void
IMDG Void
IATA Void
- 14.2 UN proper shipping name
ADR Void
IMDG Void
IATA Void
- 14.3 Transport hazard class(es)
ADR Void
Class Void
IMDG Void
Class Void
IATA Void
Class Void
- 14.4 Packing group
ADR Void
IMDG Void
IATA Void
- 14.5 Environmental hazards:
Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

GB

(Contd. on page 6)

PRODUCT : 2K Epoxy Dust Sealer Clear - Base A

(Contd. of page 5)

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII
Conditions of restriction: 3
- National regulations:
- Classification according to VbF:
–
- Waterhazard class:
Generally not hazardous for water.
- 15.2 Chemical safety assessment:

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
H318 Causes serious eye damage.
- Department issuing MSDS:
Environment protection department.
Department for product safety
- Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.